

Naval Air Warfare Center (NAWC) Weapons Division Point Mugu Overview



Comm Coyle



PURPOSE OF BRIEFING

- **NAWC UNDERSTANDING OF THE ROLE OF THE COMMISSION**
 - “Provide an objective, thorough, accurate, and non-partisan review and analysis, through a process determined by law, of the list of bases and military installations which the Department of Defense (DoD) has recommended be closed and/or realigned....The Commission is required to assess each recommendation to ensure it meets the eight selection criteria set forth by Congress in P.L. 108-375. Recommendations by DoD that substantially deviate from these selection criteria can be modified or rejected by the Commission by a simple majority vote of the Commissioners”
 - Selected criteria list:
 - Current and future mission capabilities and impact on operational readiness of DoD, including impact on joint warfighting, training, and readiness
 - Ability to accommodate contingency, mobilization, surge, and future force requirements at both existing and potential receiving locations to support operations and training.
 - The cost of operations and manpower implications
 - Extent and timing of potential costs and savings, including the number of years, beginning with the date of completion of the closure or realignment, for the savings to exceed costs

EXPECTED TAKEAWAYS

- NAWC Weapons Division understands and strongly supports the BRAC process goals:
 - Recommendations that facilitate transformation
 - Recommendations that deliver efficiencies
- The recommendations you are reviewing are the result of NAWC input and DoN/DoD analysis.
- Reconciliation of published BRAC Weapons and Armament recommendation data will facilitate implementation actions
 - Reconciliation of NAWC and final DoD data with retention of Sea Range functions at Point Mugu
- Your analysis will validate:
 - the risks are reasonable
 - transformation is achieved and
 - return on investment and efficiencies are substantiated

BRIEFING OUTLINE

- NAWC Weapons Division, Point Mugu history, mission and capabilities
- Existing NAVAIR and NAWC Weapons Division Organizational Construct
 - Competency Aligned Organization/Integrated Product Teams
- Takeaways
- Summary

Point Mugu Origins

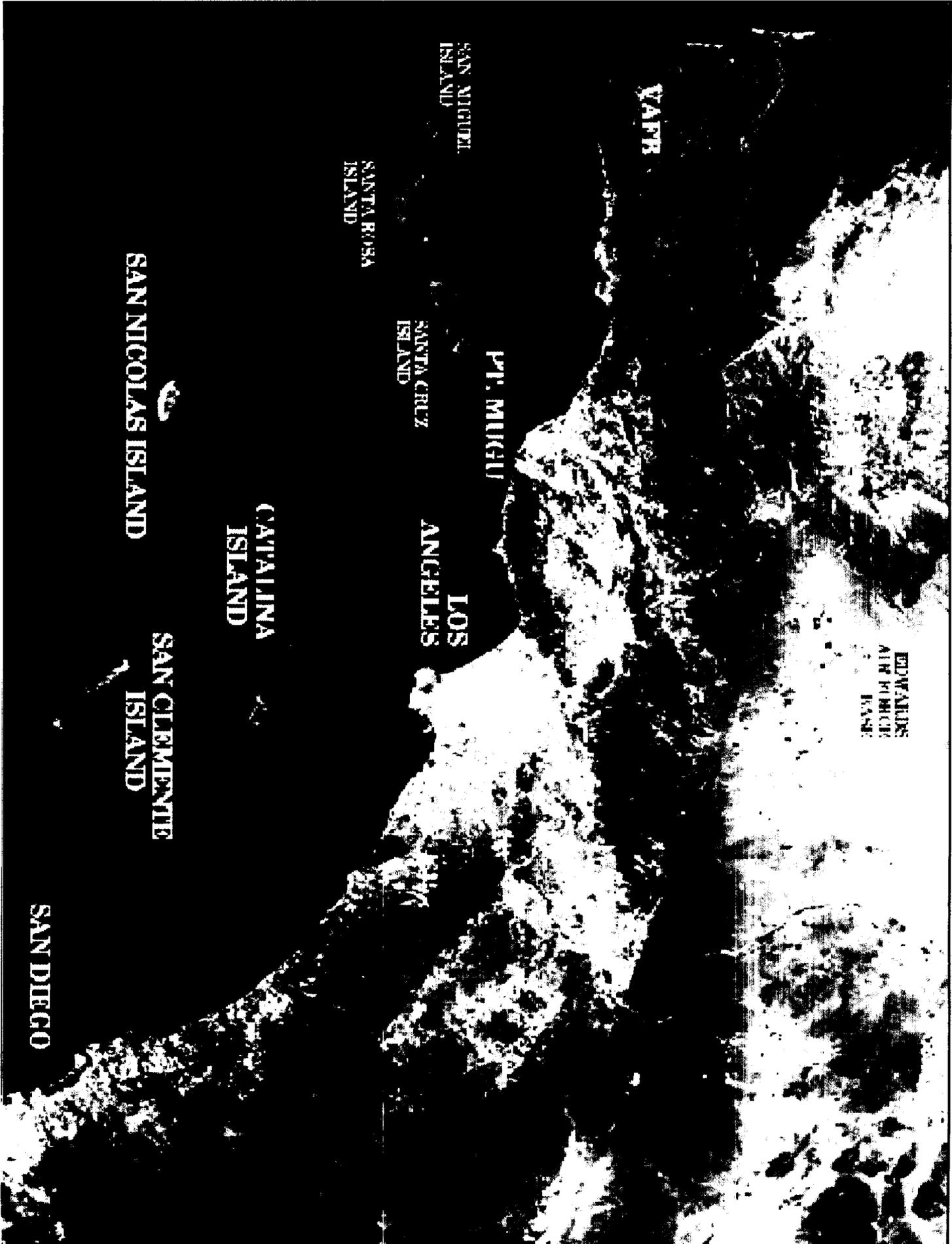


- March 1945 - Admiral Chester W. Nimitz states to Congress that he “considers the establishment of a missile test center at Point Mugu as the Navy’s number one priority project”.
- May 24, 1946 - President Truman approves the selection of Point Mugu as the site for the Navy’s Naval Air Missile Test Center. Point Mugu was selected over 59 other US locations.

Naval Air Warfare Center

Point Mugu

- **Point Mugu's location and geography enable the testing and evaluation of today's complex weapon systems for our Warfighters.**
- **Our technical capabilities in Weapons Test & Evaluation and Electronic Warfare are based on the integration of the geography and management, a highly skilled workforce and advanced laboratories and facilities.**
- **Naval Aviation's EW Center of Excellence for over 50 years.**



SAN MIGUEL ISLAND

SANTA ROSA ISLAND

SAN NICOLAS ISLAND

CATALINA ISLAND

SANTA CRUZ ISLAND

LOS ANGELES

P.I. MIGUEL

EDWARDS AIR FORCE BASE

SAN CLEMENTE ISLAND

SAN DIEGO

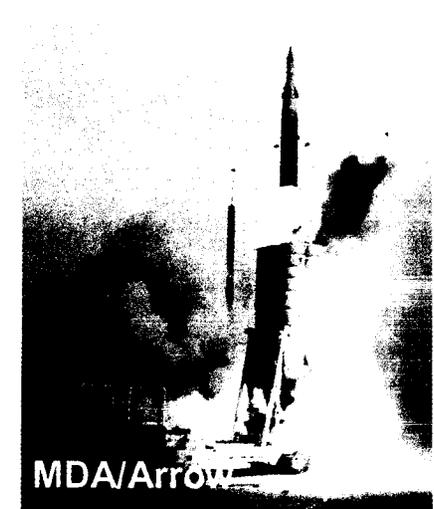
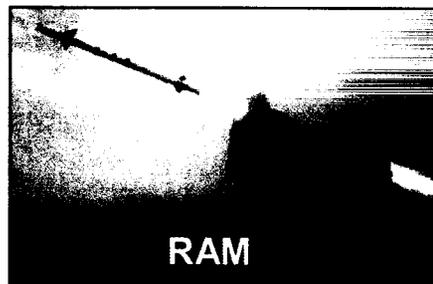
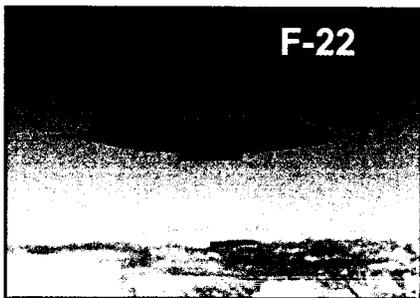
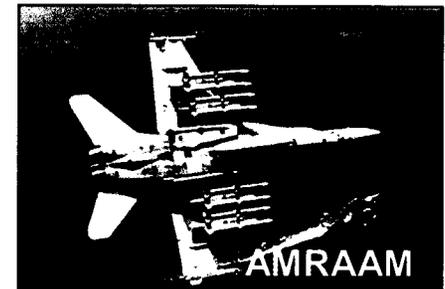
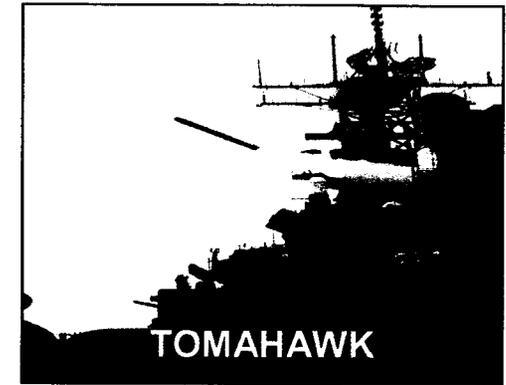
Our Capabilities

- Navy Electronic Warfare Center Of Excellence
- Largest and most capable Sea Range including worldwide deployable range support aircraft
- Targets and T&E Reliance leadership
- Navy and Joint weapons Test and Evaluation Engineering
- Weapons Sustainment



Point Mugu provides critical Warfighter support to:

- Forces in Iraq and Afghanistan
- Deploying Forces (CSSQT, JTFEX)
- Coalition Partners
 - Spain, Germany, England, Japan, Australia
 - Closure of Vieques & AFWTF has increased this work significantly
- Joint Acquisition Programs
 - F-22, AIM-9X, JDAM/JSOW, SLAM-ER, AMRAAM, Tomahawk
 - Classified Programs



**EXISTING NAVAIR AND
NAWC WEAPONS DIVISION
ORGANIZATIONAL CONSTRUCT**

COMPETENCY ALIGNED ORGANIZATION /
INTEGRATED PRODUCT TEAMS

INTEGRATED CONCEPT OF OPERATIONS FOR LIFE CYCLE SYSTEMS MANAGEMENT

INTEGRATED PROGRAM TEAMS (TEAM STRUCTURE TO PERFORM WORK)

- MULTI-DISCIPLINED
- FLEET / PRODUCT FOCUSED
- FULL LIFE CYCLE SYSTEM SUPPORT

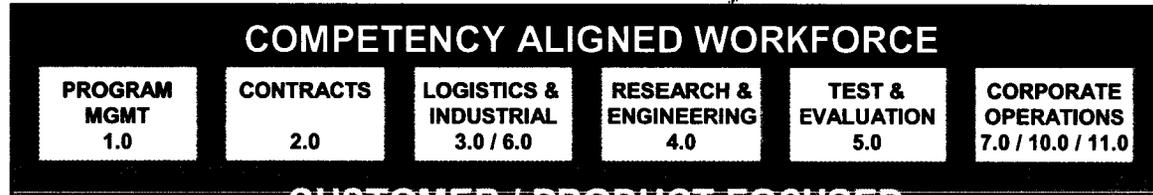
COMPETENCY ALIGNED ORGANIZATION (FORMAL STRUCTURE)

- COMPETENCIES SPAN ALL SITES
- LINKED BY COMMON ORGANIZATION & PROCESSES
- CAPABILITY / ASSET VISIBILITY



DEMAND

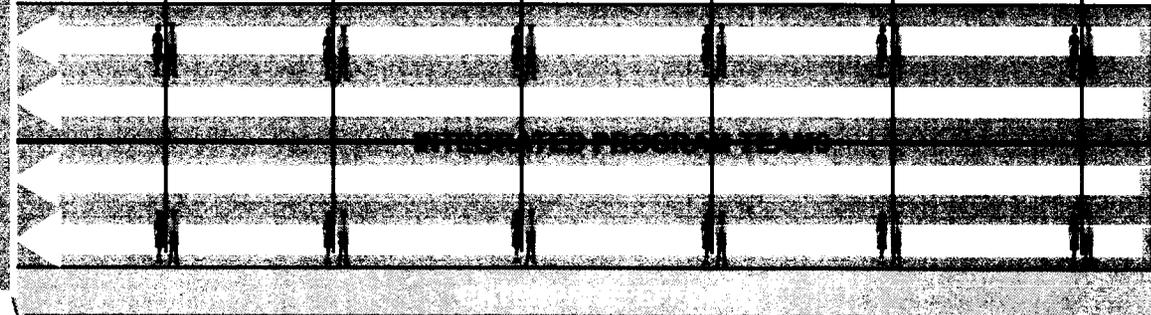
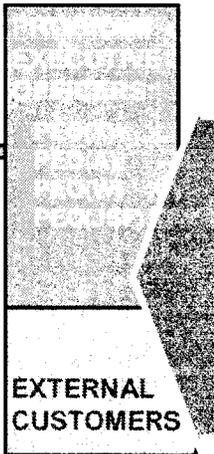
TOTAL WORKFORCE
30 SEP 04
36,839
(NAVAIR & PEOS)
MIL 2,669
CIV 24,548
CSS 9,622



CUSTOMER / PRODUCT FOCUSED DEPLOYMENT

FLEET

PRODUCTS & SERVICES



NAWC

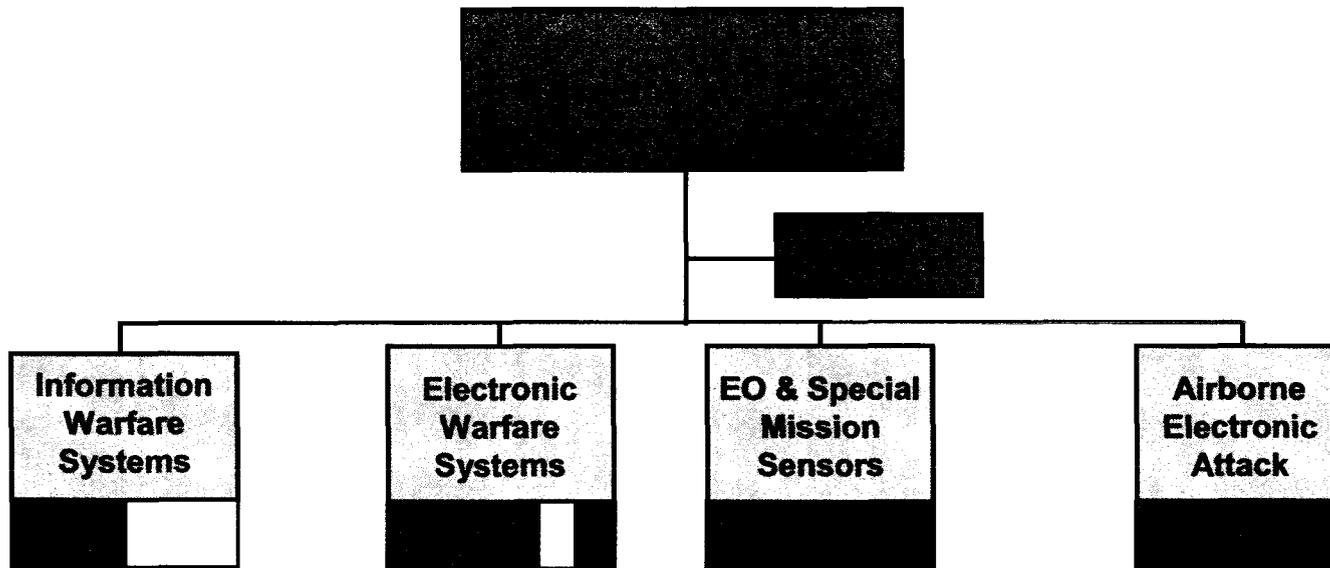
- AIRCRAFT DIVISION
- WEAPONS DIVISION

DEPOTS

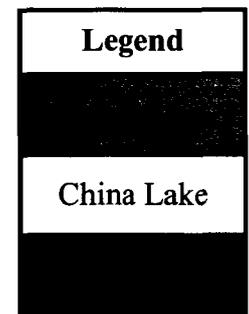
SUPPLY

Electronic Warfare & Combat Systems

Point Mugu, China Lake, Patuxent River

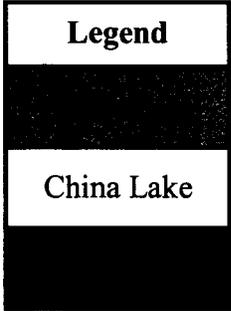
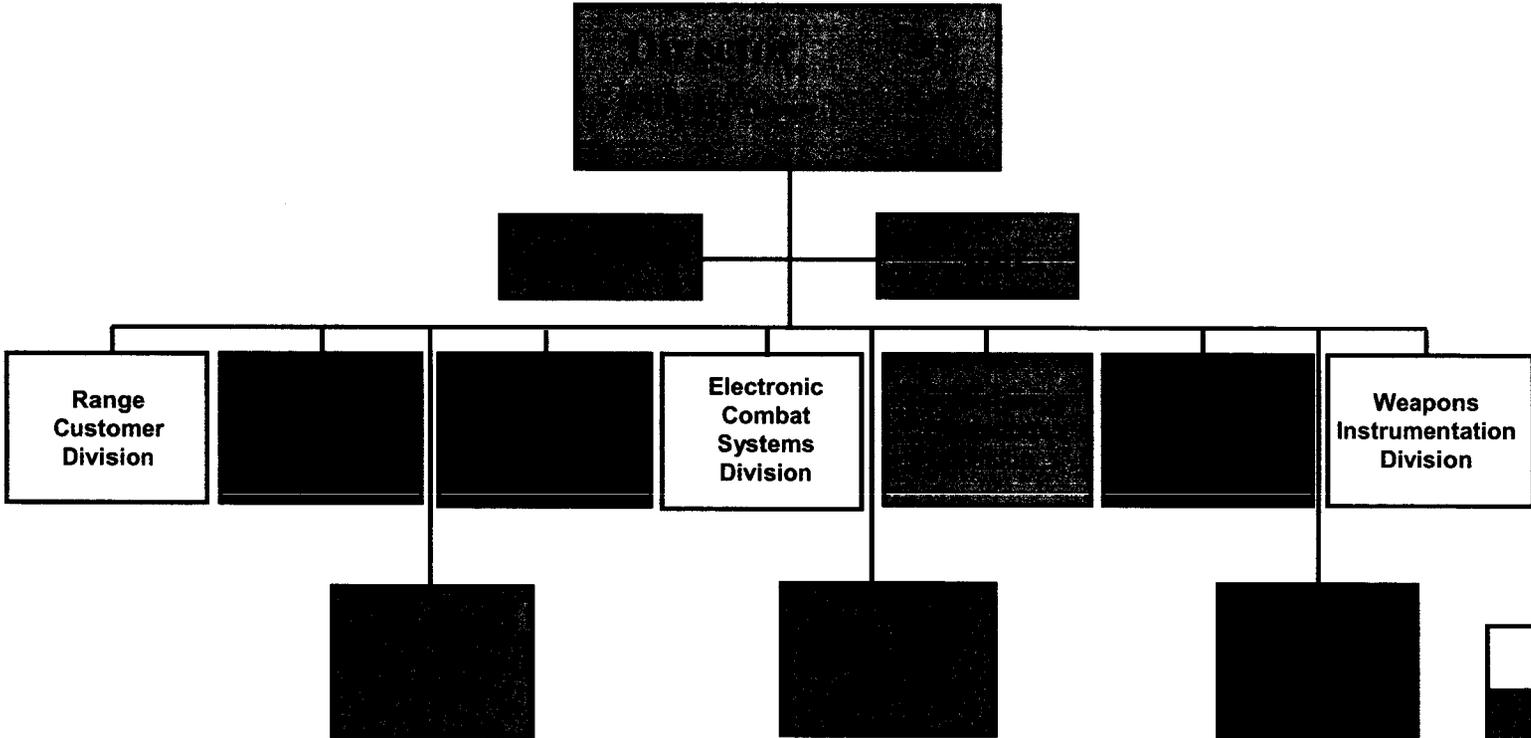


Single functional leadership oversight structure across geographic sites



Ranges Department

Point Mugu, China Lake & Patuxent River



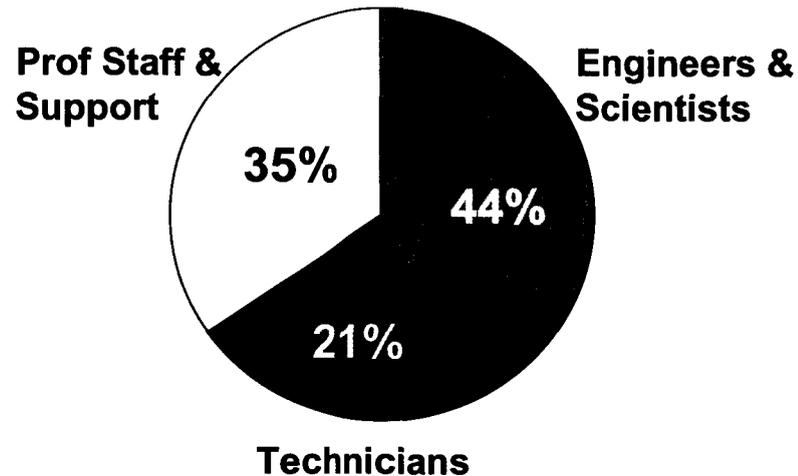
Single functional leadership oversight structure across geographic sites

Our Workforce is Educated, Talented, and Experienced

- **Total No. of Personnel:**

Civ:	1,540
Mil:	261
<u>Contractor:</u>	<u>444</u>
Total	2,245*

* December 2004



- **55.0% of Civilians with 4yr (+) degree**
 - **25.3% of Civilians with degrees have advanced degrees**
 - **30 Civilian Test Pilot School graduates plus Military graduates**

- **Average years of service:** **18.4 yrs**
- **Average age of Civilians:** **49.3 yrs**
- **Avg. age of Retirees in FY03 and 04** **59.0 yrs**
- **% of Civilians in FERS retirement system:** **61.8%**

66 Private Industry partners located within a 60 mile radius of Point Mugu

TECH 18D Summary Takeaways Weapons and Armament RDAT&E

HIGHLIGHTS

- **Clearly defined weapons and armament function traceable**
- **Need to clarify other components of recommendation to allow better implementation planning**
 - **Necessary capability remains at Point Mugu for sea range operations**

TECH 54 Summary Takeaways

Relocate Sensors, EW and Electronic RDATA&E

HIGHLIGHTS

- Scenario Transfers are traceable
- NAWC Weapons Division CAO/IPPT construct supports efficient RDATA&E operations at this time through single leadership and linked labs
- TJCSG assessed enhanced operations through single siting of EW achieving a transformation and associated return on investment as delineated in COBRA analysis

SUMMARY

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Tour Schedule

- The Remainder of today (Thursday) is TECH 54, Electronic Warfare
- Tomorrow (Friday) will be devoted to TECH 18, Weapons and Armament

The Military Value of Point Mugu Sea Range is Unquestioned due to its Size and Location



- Large unencroached range with controlled airspace extending to the runway and adjacent launch pads

- Easy to clear large areas for impact of weapons, targets, intercept debris

- Supersonic sea skimming missiles

- AMRAAM live fire against multiple high altitude supersonic targets

- Large, complex exercises

- Proximity to inland ranges

- Precision Strike

- Net Warfare Experiments

- TRIDENT